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(71) Applicant (for all designated States except US): **NEURAL**
AB [SE/SE]; Nordmannavägen 50, S-224 75 Lund (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GUSTAFSSON,**
Mats [SE/SE]; S Förstadsgatan 2, S-211 43 Malmö
(SE). **SEBESTA, Mikael** [SE/SE]; Stenbocksgatan 10
B, S-211 50 Malmö (SE). **EGELBERG, Peter** [SE/SE];

Nordmannavägen 50, S-224 75 Lund (SE). **LENART,**
Thomas [SE/SE]; Kämnärsvägen 5D:112, S-226 46 Lund
(SE). **PETTERSSON, Sven-Göran** [SE/SE]; Östervång
16, S-247 32 Södra Sandby (SE). **BENGTTSSON, Bengt**
[SE/SE]; Bigarrågatan 1, S-240 14 Veberöd (SE).

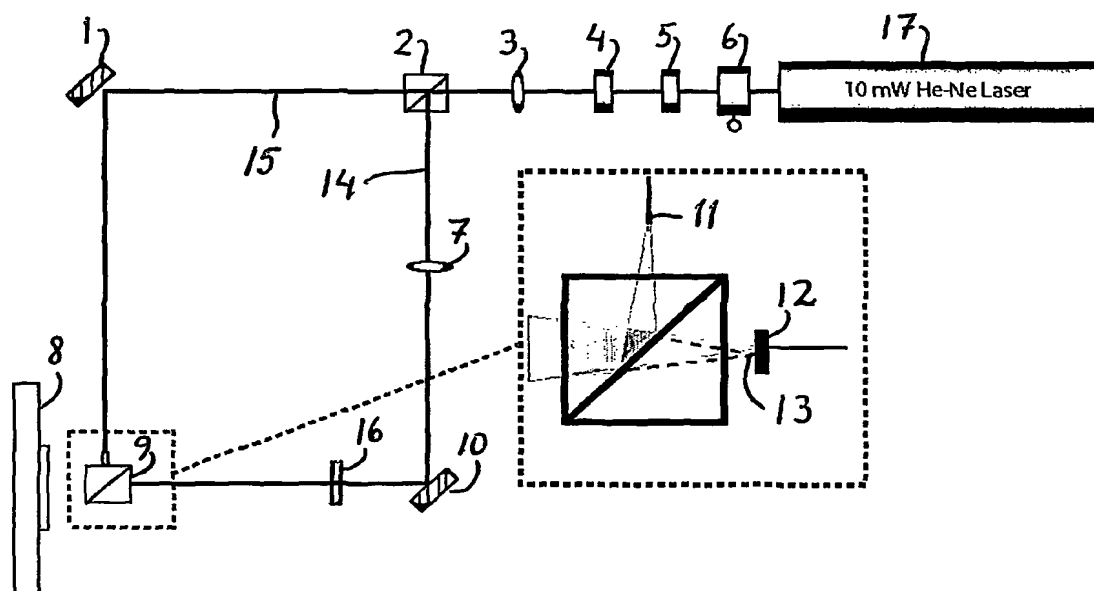
(74) Agent: **STRÖM & GULLIKSSON IPC AB**; Box 4188,
S-203 13 Malmö (SE).

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(54) Title: METHOD AND APPARATUS FOR HOLOGRAPHIC REFRACTOMETRY



(57) Abstract: A method and device for determining refractive index of an object compared to a refractive index of a surrounding medium. The object is exposed to a laser object beam and the scattered light interferes with a laser reference beam to obtain a hologram. The hologram is analyzed for phase information, and based thereon, it is determined if the refractive index of the object is higher or lower than the refractive index of the surrounding medium.



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